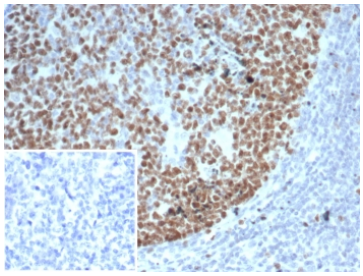
EZH2 Antibody / Enhancer of zeste homolog 2 [clone EZH2/6989] (V5237)

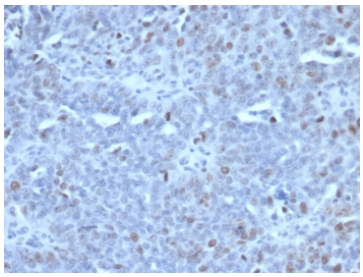
Catalog No.	Formulation	Size
V5237-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5237-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5237SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

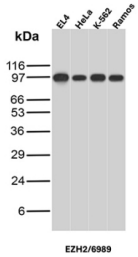
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	EZH2/6989
Purity	Protein A/G affinity
UniProt	Q15910
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This EZH2 antibody is available for research use only.



EZH2 Antibody Human Tonsil Germinal Center IHC. Immunohistochemistry staining of FFPE human tonsil tissue with EZH2 antibody (clone EZH2/6989). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



EZH2 Antibody Human Tonsil Lymphocyte IHC. Immunohistochemistry testing of FFPE human tonsil tissue with EZH2 antibody (clone EZH2/6989). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



EZH2 Antibody Multi-Cell Line WB. Western blot analysis of 1) mouse EL4, 2) human HeLa, 3) human K-562, and 4) human Ramos cell lysates using EZH2 antibody detects a prominent band at approximately 90â€“100 kDa across multiple cell lines, consistent with the commonly observed molecular weight range of EZH2, a PRC2-associated histone methyltransferase involved in epigenetic regulation and transcriptional repression; detection was performed with clone EZH2/6989.

Description

EZH2 Antibody detects Enhancer of zeste homolog 2 protein which in humans is encoded by the EZH2 gene. EZH2 is a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.

For comprehensive detection of EZH2 in epigenetic regulation and PRC2 complex studies, see our EZH2 antibody (clone EZH2/2536).

Application Notes

Optimal dilution of the EZH2 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the EZH2 antibody.

Storage

Aliquot the EZH2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

EZH2 antibody, Enhancer of zeste homolog 2 antibody, KMT6 antibody, Lysine methyltransferase 6 antibody, PRC2 methyltransferase antibody

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